

APPENDIX A

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FOR U.S. PATENT APPLICATION ENTITLED
"SYSTEM AND METHODS FOR REMOTELY ACCESSING
A SELECTED GROUP OF ITEMS OF INTEREST FROM A DATABASE"

FULL CODE LISTING FOR VERSION 0.3 OF IN_VICINITY LOCATOR
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```
Sub AboutCivix_Click ()  
    frmAbout.Show 1  
End Sub

Sub cmbCategories_Click ()  
    cmdUpdate.Enabled = True  
End Sub

Sub cmbHeadings_Click ()  
    If curHeadingStr <> cmbHeadings.Text Then  
        DeleteCategories  
        curHeadingStr = cmbHeadings.Text  
        GetHeadingIndex (curHeadingStr)  
        GetCategories (curHeadingIndex)  
        If NumberOfCategories > 0 Then  
            curCategoryStr = categorySet!Category  
            GetCategoryIndex (curCategoryStr)  
            categorySet.MoveFirst  
            For i = 1 To NumberOfCategories - 1  
                cmbCategories.AddItem CategorySet!Category  
                categorySet.MoveNext  
            Next  
            cmbCategories.AddItem CategorySet!Category  
            cmbCategories.Text = cmbCategories.List(0)  
            cmdUpdate.Enabled = True  
        End If  
    End If  
End Sub

Sub cmdUpdate_Click ()  
    If ItemNamesOn = True Then  
        ItemNamesOn = True  
        HideNames (NumberOfItems)  
    End If  
    HideItems
```

```

curCategoryStr = cmbCategories.Text
GetCategoryIndex (curCategoryStr)

Panel3D7.Caption = Cities (CurrentCityIndex).Name
Panel3D9.Caption = Areas (CurrentLocation).Name
Panel3D11.Caption = curCategoryStr
cmdUpdate.Enabled = False
ShowItems (curCategoryIndex)
If TItemNamesOn = True Then
  ShowNames (NumberOfItems)
End If
lblPopItem.Visible = False

End Sub

Sub cmdZoom_Click ()
  lblPopCityArea.Visible = False
  If zoomLevel = "City" Then 'zoom up to country map
    If AreaNamesOn Then
      HideNames (NumberOfAreas)
    End If
    HideAreas
    ShowCities
    picMain.Picture = picUSA.Picture
    cmdZoom.Visible = False
    Panel3D1.Visible = False
    Panel3D4.Visible = True
    lblUSMapCaption.Visible = False
    Panel3D7.Caption = "None"
    Panel3D9.Caption = "None"
    panel3D11.Caption = "None"
    lblPopCityArea.Visible = False
    zoomLevel = "Country"
    HelpShowNames.Checked = False
    If CityNamesOn Then
      ShowNames (NumberOfCities)
    End If
  End If
  If zoomLevel = "Location" Then 'zoom up to city map

```

TOOLKIT FORMS TOOL

```
If ItemNamesOn Then
    HideNames (NumberOfItems)
End If
picMain.Picture = CityPicture.Picture
cmdZoom.Caption = "U.S. Map"
HideItems
ShowAreas
    ZoomLevel = "City"           ' show the areas on the map
    picPort.Visible = False
    picMain.Visible = True
    Panel3D3.Visible = False
    cmbCategories.Visible = False
    cmbHeadings.Visible = False
    cmdUpdate.Visible = False
    Panel3D2.Visible = False
    lblUSMapCaption.Visible = True
    p3DItemInfo.Visible = False
    p3DStreetAddLbl.Visible = False
    p3DStreetAdd.Visible = False
    p3DPhoneLbl.Visible = False
    p3DPhone.Visible = False
    p3DFaxLbl.Visible = False
    p3DFaxNumber.Visible = False
    p3DDescLbl.Visible = False
    p3DDescription.Visible = False
    picSponsorAd.Visible = False

    curCategoryStr = ""
    Panel3D9.Caption = "None"
    Panel3D11.Caption = "None"
    HelpShowNames.Checked = False
    If AreaNamesOn Then
        ShowNames (NumberOfAreas)
    End If
End If
End Sub

Sub FileExit_Click ()
    End
End Sub
```

```

End Sub

Sub FilePrint_Click ()
    CMDialog1.CancelError = True
    On Error GoTo ErrHandler

    CMDialog1.Action = 5
    PrintForm

ErrHandler:
    Exit Sub

End Sub

Sub Form_Load ()
    ReDim Cities(1)

    'delivery only
    'Set DB = OpenDatabase("civix.mdb")

    'development only
    Set DB = OpenDatabase("t:\client\civix\proto\current\civix.mdb")
    Set GlobalSet = DB.CreateDynaset("SELECT * from Globals")

    PortXPix = GlobalSet!PortPixelsX
    PortYPix = GlobalSet!PortPixelsY
    CityXPix = GlobalSet!CityPixelsX
    CityYPix = GlobalSet!CityPixelsY
    PortXGrid = GlobalSet!{Port Width}
    PortYGrid = GlobalSet!{Port Height}
    MsgBox "XP: " & PortXPix & "YP: " & PortYPix & "XG: " & PortXGrid & "YG: " & PortYGrid

    Set CitySet = DB.CreateDynaset("CitySet")
    Panel3D7.Caption = "None"
    Panel3D9.Caption = "None"
    Panel3D11.Caption = "None"
    GetNumberOfCities
    GetCities

```

```
PixelWide = Form1.picMain.Width + 10
PixelHigh = Form1.picMain.Height + 15
ZoomLevel = "Country"
End Sub

Sub HelpShowNames_Click()
    Select Case ZoomLevel
        Case "Country"
            If CityNamesOn Then
                HideNames (NumberOfcities)
                CityNamesOn = False
            Else
                ShowNames (NumberOfcities)
                CityNamesOn = True
            End If
        Case "City"
            If AreaNamesOn Then
                HideNames (NumberOfAreas)
                AreaNamesOn = False
            Else
                ShowNames (NumberOfAreas)
                AreaNamesOn = True
            End If
        Case "Location"
            If ItemNamesOn Then
                HideNames (NumberOfItems)
                ItemNamesOn = False
            Else
                ShowNames (NumberOfItems)
                ItemNamesOn = True
            End If
    End Select
End Sub

Sub HideNames (NumNames)
    HelpShowNames.Checked = False
    Select Case ZoomLevel
```

```

Case "Country"
  For i = 1 To NumNames
    Upload LabelName(i)
  Next

Case "City"
  For i = 1 To NumNames
    Upload LabelName(i)
  Next

Case "Location"
  For i = 1 To NumNames
    Upload LabelNameb(i)
  Next

End Select

End Sub

Sub MoveToAreaMap (Index As Integer)
  If CityNamesOn = True Then
    HideNames (NumberOfCities)
  End If

  picCityPick(Index).BackColor = &H0&
  picUSA.Picture = picMain.Picture
  CityBmpName = GetCityBmpName(Index)

  'use the next line for delivery only
  'picMain.Picture = LoadPicture(CityBmpName)

  'use the next line during development only
  picMain.Picture = LoadPicture("t:\client\civix\proto\current\" & CityBmpName)

End Sub

HideCities
CurrentCityKey = Cities(Index).Key
CurrentCityIndex = Index
Panel3D7.Caption = Cities(Index).Name
Panel3D9.Caption = "None"
Panel3D11.Caption = "None"
lblUSMapCaption.Visible = True
ShowAreas
cmdZoom.Caption = "U.S. Map"
lblPopCityArea.Visible = False

```

```
lblPopItem.Visible = False
ZoomLevel = "City"
If AreaNamesOn = True Then
  ShowNames (NumberOfAreas)
End If

End Sub

Sub MoveToLocationMap (Index As Integer)
  If AreaNamesOn = True Then
    HideNames (NumberOfAreas)
  End If
  lblPopCityArea.Visible = False
  lblPopItem.Visible = False
  picCityPick(Index).BackColor = &H0&
  Form1.MousePointer = 1
  CityPicture.Picture = picMain.Picture

  AreaBmpName = GetAreaBmpName(Index)

  'use the next line for delivery only
  'picMain.Picture = LoadPicture(AreaBmpName)

  'use the next line during development only
  picPort.Picture =
    LoadPicture("t:\client\civix\proto\current\" &
               AreaBmpName)

  CurrentLocation = Index
  HideAreas

  lblUSMapCaption.Visible = False
  p3DItemInfo.Visible = True
  p3DStreetAddLbl.Visible = True
  p3DPhoneLbl.Visible = True
  p3DFaxLbl.Visible = True
  'p3DDescLbl.Visible = True
  picSponsorAd.Visible = True

  p3DStreetAdd.Visible = True
```

P3DPhone.Visible = True
 P3DFaxNumber.Visible = True
 'P3DDescription.Visible = True
 P3DStreetAdd.Caption = ""
 P3DPhone.Caption = ""
 P3DFaxNumber.Caption = ""
 P3DDescription.Caption = ""
 P3DItemInfo.Caption = "Item Data"
 Panel13D2.Visible = True
 Panel13D3.Visible = True
 Panel13D5.Visible = True
 cmdUpdate.Visible = True
 picPort.Height = PortYPix
 picPort.Width = PortXPix
 picPort.Visible = True
 picMain.Visible = False
 cmbCategories.Visible = True
 cmbCategories.Clear
 cmbHeadings.Visible = True
 cmbHeadings.Clear
 GetHeadings
 If NumberOfHeadings > 0 Then
 HeadingsSet.MoveFirst
 For i = 1 To NumberOfHeadings - 1
 cmbHeadings.AddItem HeadingsSet!Heading
 HeadingsSet.MoveNext
 Next
 cmbHeadings.AddItem HeadingsSet!Heading
 curHeadingStr = cmbHeadings.List(0)
 cmbHeadings.Text = cmbHeadings.List(0)
 End If
 GetHeadingIndex (curHeadingStr)
 GetCategories (curHeadingIndex)
 If NumberOfCategories > 0 Then
 CategorySet.MoveFirst
 For i = 1 To NumberOfCategories - 1
 cmbCategories.AddItem CategorySet!Category

```

CategorySet.MoveNext
Next
cmbCategories.AddItem CategorySet!Category
cmbCategories.Text = cmbCategories.List(0)
CategorySet.MoveFirst
curCategoryStr = cmbCategories.Text
GetCategoryIndex (curCategoryStr)
ShowItems (curCategoryIndex)
End If
Panel3D7.Caption = Cities(CurrentCityIndex).Name
Panel3D9.Caption = Areas(CurrentLocation).Name
Panel3D11.Caption = curCategoryStr
cmdZoom.Caption = Cities(CurrentCityIndex).Name & " Map"
ZoomLevel = "Location"
If ItemNamesOn = True Then
  ShowNames (NumberOfItems)
End If
End Sub

Sub picAreaPick_Click (Index As Integer)
  MoveToLocationMap (Index)
End Sub

Sub picAreaPick_GotFocus (Index As Integer)
  PicAreaPick(Index).BackColor = &H0&
  If Not AreaNamesOn Then
    lblPopCityArea.Caption = Areas(Index).Name
  End If
  top1 = picAreaPick(Index).Top
  left1 = picAreaPick(Index).Left + 10
  If (left1 + lblPopCityArea.Width) > picMain.Width Then
    left1 = picMain.Width - lblPopCityArea.Width
    top1 = top1 - 20
  End If
  If top1 < 0 Then
    top1 = top1 + 10
  End If
  lblPopCityArea.Top = top1
End Sub

```

```

top1 = top1 - 30
End If
If top1 < 0 Then
    top1 = top1 + 10
End If
lblPopCityArea.Top = top1
lblPopCityArea.Left = left1
lblPopCityArea.Visible = True
End If

End Sub

Sub PicCityPick_KeyPress (Index As Integer, KeyAscii As Integer)
If KeyAscii = 13 Or KeyAscii = 43 Then
    MoveToAreaMap (Index)
End If

End Sub

Sub picCityPick_LostFocus (Index As Integer)
picCityPick(Index).BackColor = &HFFFFFF
End Sub

Sub picCityPick_MouseMove (Index As Integer, Button As Integer,
                           Shift As Integer, X As Single, Y As
                           Single)
Form1.MousePointer = 10
picCityPick(Index).SetFocus
End Sub

Sub picItemPick_GotFocus (Index As Integer)
picItemPick(Index).BackColor = &H0&
If Not ItemNamesOn Then
    lblPopItem.Caption = Items(Index).Name
    top1 = picItemPick(Index).Top
End Sub

```

```
left1 = picItemPick(Index).Left + 10
If (left1 + lblPopItem.Width) > picPort.Width Then
    left1 = picPort.Width - lblPopItem.Width
    top1 = top1 - 10
End If

If top1 < 0 Then
    top1 = top1 + 10
End If

lblPopItem.Top = top1
lblPopItem.Left = left1
lblPopItem.Visible = True
p3DStreetAdd.Caption = Items(Index).StreetAdd
p3DPhone.Caption = Items(Index).Phone
p3DFaxNumber.Caption = Items(Index).Fax
p3DDescription.Caption = Items(Index).Description
p3DItemInfo.Caption = "Item Data for " &
    Items(Index).Name
End If

End Sub

Sub picItemPick_LostFocus (Index As Integer)
    picItemPick(Index).BackColor = &HFFFFFF
End Sub

Sub picItemPick_MouseMove (Index As Integer, Button As Integer,
    Shift As Integer, X As Single, Y As
    Single)
    Form1.MousePointer = 10
    picItemPick(Index).SetFocus
End Sub

Sub picMain_Click ()
    Beep
End Sub
```

```

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Sub picMain_MouseMove (Button As Integer, Shift As Integer, X As
    Single, Y As Single)
    Form1.MousePointer = 1
End Sub

Sub picPort_Click ()
    Beep
End Sub

Sub picPort_MouseMove (Button As Integer, Shift As Integer, X As
    Single, Y As Single)
    Form1.MousePointer = 1
End Sub

Sub ShowNames (NumNames)
    lblPopCityArea.Visible = False
    lblPopItem.Visible = False
    HelpShowNames.Checked = True

    Select Case ZoomLevel
        Case "Country"
            For i = 1 To NumNames
                Load LabelName(i)
                LabelName(i).Caption = Cities(i).Name
                top1 = PicCityPick(i).Top
                left1 = PicCityPick(i).Left + 10
                If top1 < 0 Then
                    top1 = top1 + 4
                End If
                LabelName(i).Top = top1
                LabelName(i).Left = left1
                LabelName(i).Visible = True
            Next
        Case "City"
            For i = 1 To NumNames
                Load LabelName(i)
                LabelName(i).Caption = Areas(i).Name
            Next
    End Select
End Sub

```

```
top1 = picAreaPick(i).Top
left1 = picAreaPick(i).Left
If top1 < 0 Then
  top1 = top1 + 4
End If
LabelName(i).Top = top1
LabelName(i).Left = left1
LabelName(i).Visible = True
Next
Case "Location"
  For i = 1 To NumNames
    Load LabelNameb(i)
    LabelNameb(i).Caption = Items(i).Name
    top1 = picItemPick(ii).Top
    left1 = picItemPick(ii).Left + 10
    If top1 < 0 Then
      top1 = top1 + 4
    End If
    LabelNameb(i).Top = top1
    LabelNameb(i).Left = left1
    LabelNameb(i).Visible = True
  Next
End Select
End Sub
```

```
Sub cmdAboutOK_Click ()
  frmAbout.Hide
End Sub
```

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Corporation for CIVIX. The ownership

of the software shall transfer to CIVIX

upon payment as arranged.

```
Global NumberOfCities As Long
Global NumberOfAreas As Long
Global NumberOfItems As Long
Global NumberOfCategories As Long
Global NumberOfHeadings As Long
Global ZoomLevel As String
Global CitySet As Dynaset
Global AreaSet As Dynaset
Global ItemSet As Dynaset
Global CategorySet As Dynaset
Global HeadingsSet As Dynaset
Global GlobalSet As Dynaset
```

```
Global CurrentCityIndex As Long
Global CurrentLocation As Long
Global CurrentCityKey As Long
Global curCategoryStr As String
Global curCategoryIndex As Integer
Global curHeadingStr As String
Global curHeadingIndex As Integer
Global Db As Database
Type CityRecord
  Name As String
  MapName As String
  Key As Long
  XCoord As Long
  YCoord As Long
  MaxXGrid As Long
  MaxYGrid As Long
End Type
Type AreaRecord
  Name As String
```

```
MapName As String
XCoord As Long
YCoord As Long
End Type
Type ItemRecord
    Name As String
    StreetAdd As String
    Key As Long
    Category As String
    XCoord As Long
    YCoord As Long
    Directions As String
    Description As String
    Phone As String
    Fax As String
    OwnerManager As String
    Title As String
    OtherAddress As String
End Type
Global Cities() As CityRecord
Global Areas() As AreaRecord
Global Items() As ItemRecord
Global CityBmpName As String          ' bitmap for a city
Global AreaBmpName As String          ' bitmap for a intersectional point
Global CityNamesOn As Integer
Global AreaNamesOn As Integer
Global ItemNamesOn As Integer
Global PortXPix As Integer
Global PortYPix As Integer
Global CityXPix As Integer
Global CityYPix As Integer
Global PortXGrid As Integer
Global PortYGrid As Integer
Sub DeleteCategories()
    CategorySet.Close
    Form1.cmbCategories.Clear
End Sub
```

```

Function GetAreaBmpName (Index As Integer)

GetAreaBmpName = Areas(Index) .MapName

End Function

Sub GetCategories (Key As Integer)

Set CategorySet = Db.CreateDynaset("SELECT DISTINCTROW
Categories.Category, Categories.Index FROM Categories
WHERE (Categories.Heading = " & Key & ") WITH
OWNERACCESS OPTION; ")

If Not CategorySet.EOF Then
CategorySet.MoveLast
NumberOfCategories = CategorySet.RecordCount
CategorySet.MoveFirst
'MsgBox "Cats : " & NumberOfCategories

Else
MsgBox "No Items for this Heading!"
End If

End Sub

Sub GetCategoryIndex (curCategoryStr As String)

CategorySet.MoveFirst
While Not CategorySet.EOF
If CategorySet!Category = curCategoryStr Then
curCategoryIndex = CategorySet!Index
End If
CategorySet.MoveNext
Wend

End Sub

Sub GetCities ()
Index = 1
CitySet.MoveFirst

```

```
While Not CitySet.EOF
    Cities(Index).MapName = CitySet!FileName
    Cities(Index).Key = CitySet!CityKey
    Cities(Index).Name = CitySet!Name
    Cities(Index).XCoord = CitySet!XCoord
    Cities(Index).YCoord = CitySet!YCoord
    Cities(Index).MaxXGrid = CitySet!MaxXGrid
    Cities(Index).MaxYGrid = CitySet!MaxYGrid
    Load Form1.PicCityPick(Index)
    Form1.PicCityPick(Index).Top = Cities(Index).YCoord
    Form1.PicCityPick(Index).Left = Cities(Index).XCoord
    Form1.PicCityPick(Index).Visible = True
    CitySet.MoveNext
    Index = Index + 1
Wend

End Sub

Function GetCityBmpName (Index As Integer)
    GetCityBmpName = Cities(Index).MapName
End Function

Sub GetHeadingIndex (HeadingStr As String)
    HeadingsSet.MoveFirst
    While Not HeadingsSet.EOF
        If HeadingsSet!Heading = HeadingStr Then
            curHeadingIndex = HeadingsSet!Index
        End If
        HeadingsSet.MoveNext
    Wend
End Sub
```

```
Sub GetHeadings ()  
  
    Set HeadingsSet = Db.CreateDynaset ("SELECT DISTINCT CATHEDINGS  
        CATHEDINGS.Heading, CATHEDINGS.Index FROM CATHEDINGS  
        WITH OWNERACCESS OPTION;")  
  
    If Not HeadingsSet.EOF Then  
        HeadingsSet.MoveLast  
        NumberOfHeadings = HeadingsSet.RecordCount  
        HeadingsSet.MoveFirst  
        curHeadingStr = HeadingsSet!Heading  
  
    Else  
        MsgBox "No Headings!"  
    End If  
  
End Sub  
  
Sub GetNumberOfCities ()  
  
    If Not CitySet.EOF Then  
        CitySet.MoveLast  
        NumberOfCities = CitySet.RecordCount  
    Else  
        MsgBox "No Cities, cannot continue"  
    End If  
    ReDim Cities(NumberOfCities)  
  
End Sub  
  
Sub HideAreas ()  
  
    If NumberOfAreas > 0 Then  
        For i = 1 To NumberOfAreas  
            Form1.PicAreaPic(i).Visible = False  
        Next  
    End If  
End Sub
```

T O G E E D " F O R G E T G E D O

```

End Sub

Sub HideCities ()
    Form1.cmdZoom.Visible = True
    Form1.Panel3D1.Visible = True
    Form1.Panel3D4.Visible = False
    For i = 1 To NumberOfCities
        Form1.picCityPick(i).Visible = False
    Next
End Sub

Sub HideItems ()
    For i = 1 To NumberOfItems
        Unload Form1.picItemPick(i)
    Next
End Sub

ReDim Items(1)
NumberOfItems = 0
End Sub

Sub ShowAreas ()
    If NumberOfAreas > 0 Then
        For i = 1 To NumberOfAreas
            Unload Form1.picAreaPick(i)
        Next
        ReDim Areas(1)
        NumberOfAreas = 0
    End If
End Sub

Set AreaSet = Db.CreateDynaset("SELECT Locations.City,
    Locations.Name, Maps.FileName, Locations.LocationKey,
    GridCoord.XCoord, GridCoord.YCoord FROM Locations,
    Maps, GridCoord, Locations LEFT JOIN Maps ON
    Locations.MapName = Maps.Name, Locations LEFT JOIN
    GridCoord ON Locations.GridLoc = GridCoord.GridKey
    where city = " & CurrentCityKey & " WITH OWNERACCESS
    OPTION;" )

```

```
If Not AreaSet.EOF Then
    AreaSet.MoveLast
    NumberOfAreas = AreaSet.RecordCount
Else
    Exit Sub
End If

ReDim Areas(NumberOfAreas)

Index = 1
AreaSet.MoveFirst
While Not AreaSet.EOF
    Areas(Index).MapName = AreaSet!FileName
    Areas(Index).Name = AreaSet!Name
    Areas(Index).XCoord = AreaSet!XCoord
    Areas(Index).YCoord = AreaSet!YCoord
    Load Form1.PicAreaPick(Index)

    'MsgBox "CityXPix: " & CityXPix & " CityYPix: " &
    "CityYPix

    'MsgBox "CityMaxX: " & Cities(CurrentCityIndex).MaxXGrid
    & " CityYMax: " &
    Cities(CurrentCityIndex).MaxYGrid

    'MsgBox "X: " & Areas(Index).XCoord & " Y: " &
    Areas(Index).YCoord

Form1.picAreaPick(Index).Left = CityXPix *
    (Areas(Index).XCoord /
    Cities(CurrentCityIndex).MaxXGrid)

Form1.picAreaPick(Index).Top = CityYPix *
    (Areas(Index).YCoord /
    Cities(CurrentCityIndex).MaxYGrid)
```

FILE EDIT FAVORITES

```

Form1.picAreaPick(Index).Visible = True
AreaSet.MoveNext
Index = Index + 1
Wend

End Sub

Sub ShowCities ()
    Form1.cmdZoom.Visible = False
    Form1.Panel3D1.Visible = False
    Form1.Panel3D4.Visible = True
    For i = 1 To NumberOfCities
        Form1.picCityPick(i).Visible = True
        Form1.picCityPick(i).BackColor = &HFFFFFF
    Next

End Sub

Sub ShowItems (Key As Integer)
    MaxX = Areas(CurrentLocation).Xcoord + Int(.5 * PortXGrid)-1
    Minx = Areas(CurrentLocation).Xcoord - Int(.5 * PortXGrid)
    MaxY = Areas(CurrentLocation).Ycoord + Int(.5 * PortYGrid)-1
    MinY = Areas(CurrentLocation).Ycoord - Int(.5 * PortYGrid)

    Set ItemSet = Db.CreateDynaset("SELECT DISTINCTROW
        Items.Name, Items.Description, Items.Directions,
        Items.ItemKey, GridCoord.XCoord, GridCoord.YCoord,
        Items.StreetAdd, Items.Phone, Items.Fax,
        Items.OwnerManager, Items.Title, Items.OtherAddress,
        Categories.Index FROM Items, Categories, Cities,
        GridCoord, CatsForItems, Cities LEFT JOIN Items ON
        Cities.CityKey = Items.CityKey, Items LEFT JOIN
        GridCoord ON Items.GridLoc = GridCoord.GridKey, Items
        LEFT JOIN CatsForItems ON Items.ItemKey =
        CatsForItems.ItemRef, CatsForItems LEFT JOIN Categories
        ON CatsForItems.CatRef = Categories.Index WHERE
        Index = " & Key)

```

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```
((Cities.CityKey = " & CurrentCityKey & ") And
(Categories.Index = " & Key & ") And (GridCoord.XCoord
<= " & MaxX & ") And (GridCoord.XCoord >= " & MinX & ")
And (GridCoord.YCoord <= " & MaxY & ") And
(GridCoord.YCoord >= " & MinY & ") ) WITH OWNERACCESS
OPTION;" )
```

```
If Not ItemSet.EOF Then
  ItemSet.MoveLast
  NumberOfItems = ItemSet.RecordCount
  'MsgBox " Items: " & NumberOfItems
Else
  'MsgBox "No Items for this Category!"
  Exit Sub
End If
```

```
ReDim Items(NumberOfItems)
```

```
Index = 1
ItemSet.MoveFirst
While Not ItemSet.EOF
  Items(Index).Key = ItemSet!ItemKey
  Items(Index).Name = ItemSet!Name
  Items(Index).Description = ItemSet!Description
  Items(Index).Directions = ItemSet!Directions
  Items(Index).XCoord = ItemSet!XCoord
  Items(Index).YCoord = ItemSet!YCoord
  Items(Index).StreetAdd = ItemSet!StreetAdd
  Items(Index).Phone = ItemSet!Phone
  Items(Index).Fax = ItemSet!Fax
  Items(Index).OwnerManager = ItemSet!OwnerManager
  Items(Index).Title = ItemSet!Title
  Items(Index).OtherAddress = ItemSet!OtherAddress
  Load Form1.picItemPick(Index)
```

```
Form1.picItemPick(Index).Top = Int(((Items(Index).YCoord
  - Areas(CurrentLocation).Ycoord) / PortyGrid) +
  .5) * (PortyPix))
```

```
Form1.picItemPick(Index).Left =  
  Int(((Items(Index).XCoord -  
        Areas(UniformLocation).XCoord) / PortXGrid) + .5)  
  * (PortXPix))  
  
'MsgBox " Top : " & Form1.picItemPick(Index).Top &  
' Left: " & Form1.picItemPick(Index).Left  
  
Form1.picItemPick(Index).Visible = True  
ItemSet.MoveNext  
Index = Index + 1  
Wend  
  
End Sub  
  
  
Sub Timer1_Timer ()  
  Form1.Show 0  
  Splash.Hide  
  Timer1.Enabled = False  
  Unload Splash  
  
End Sub
```